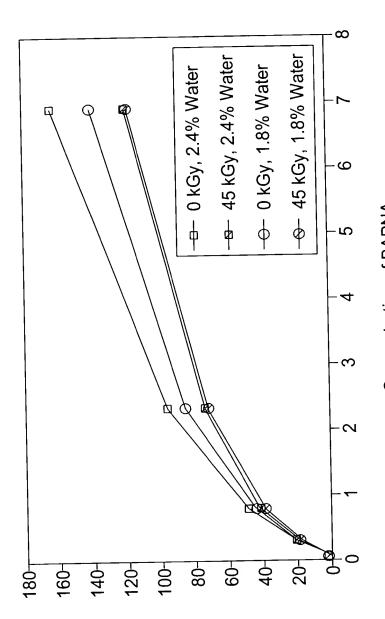
Gamma Irradiation of Lyophilized Trypsin in the Absence of Ascorbate

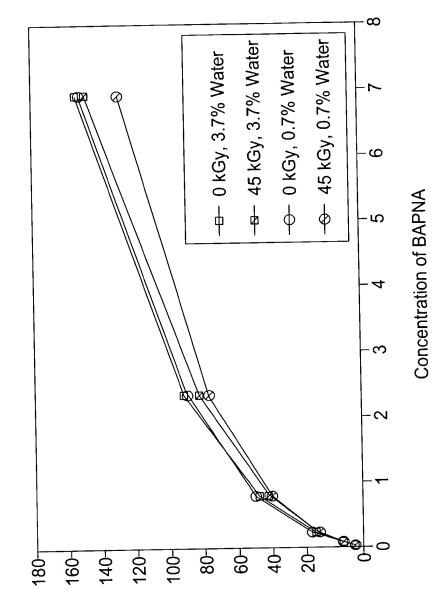


Velocity (hmole Product / 15 Minutes)

Concentration of BAPNA (mM)

FIG. 1A

Gamma Irradiation of Lyophilized Trypsin in the Presence of 100 mM Ascorbate



Velocity (µmole Product / 15 Minutes)

(mM) FIG. 1B

6

-a- Lyophilized → Liquid Gamma Irradiation of Two Forms of Trypsin In the Presence of 200 mM Ascorbate ∞ Hd 9 2 -02 - 09 - 09 40-80 – - 06 100-

Percentage Recovery of Trypsin Activity

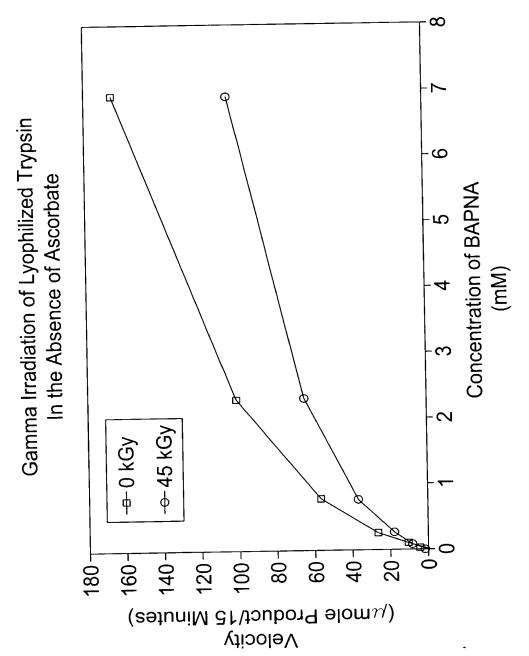


FIG. 3A

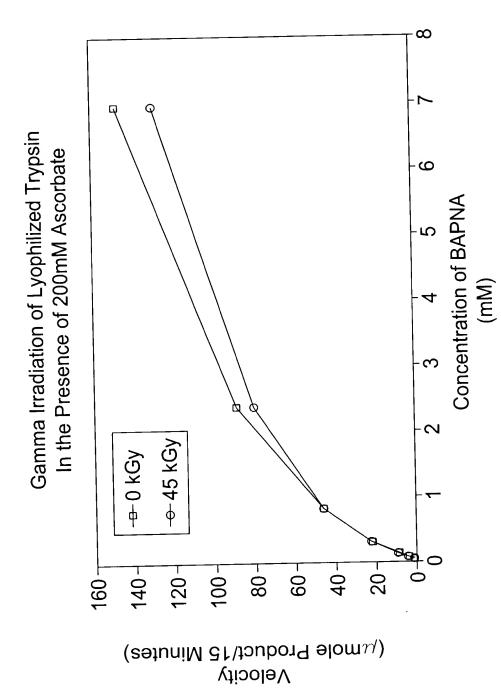


FIG. 3B

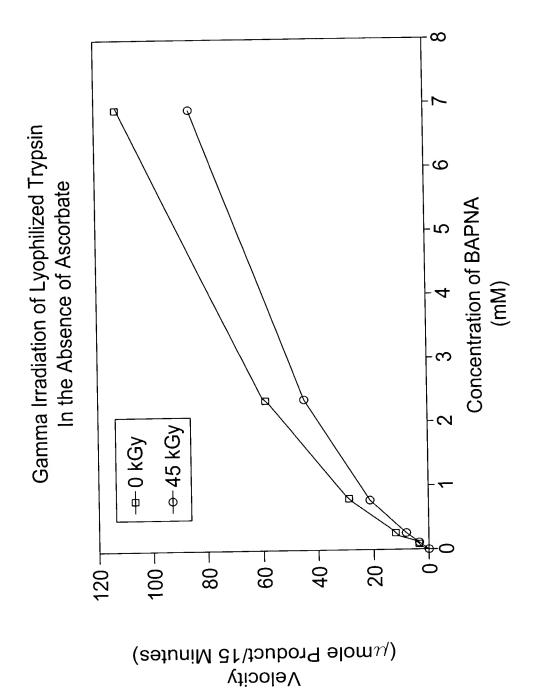
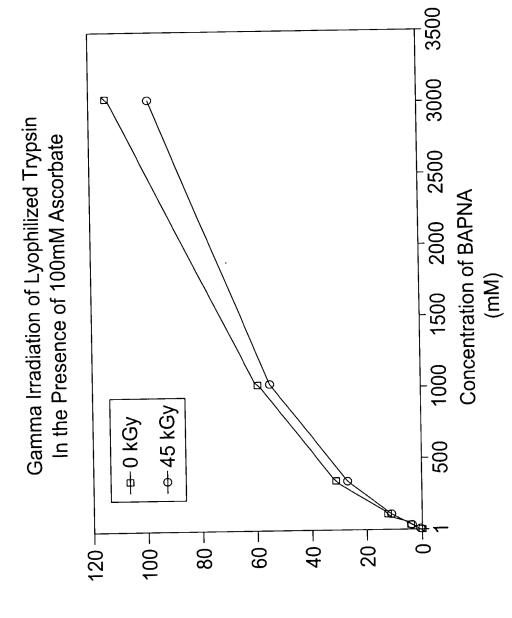


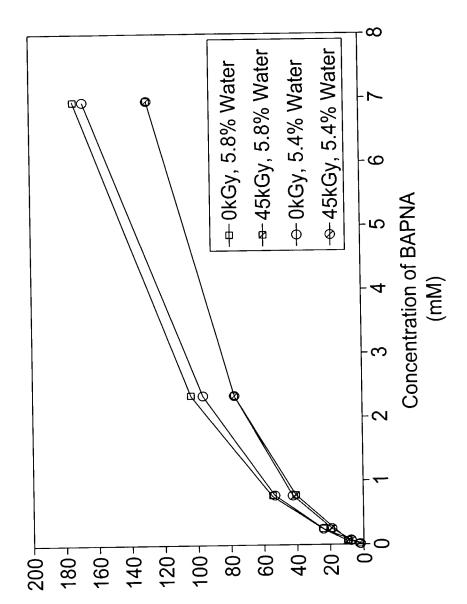
FIG. 4A



Velocity (μ mole Product/15 Minutes)

FIG. 4B

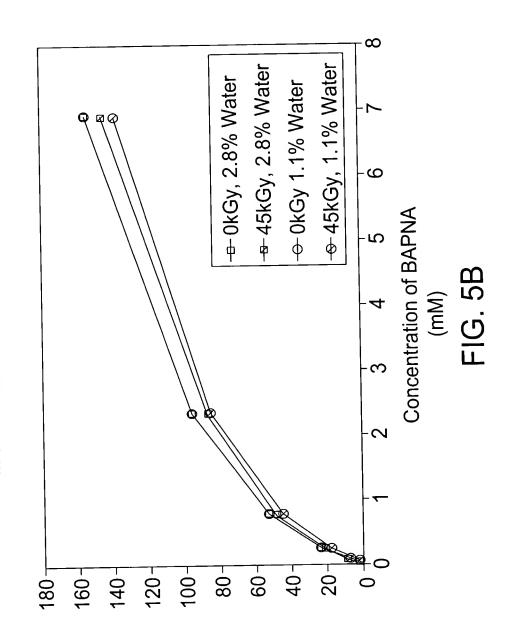
Gamma Irradiation of Lyophilized Trypsin In the Absence of Ascorbate



Velocity (μ mole Product/15 Minutes)

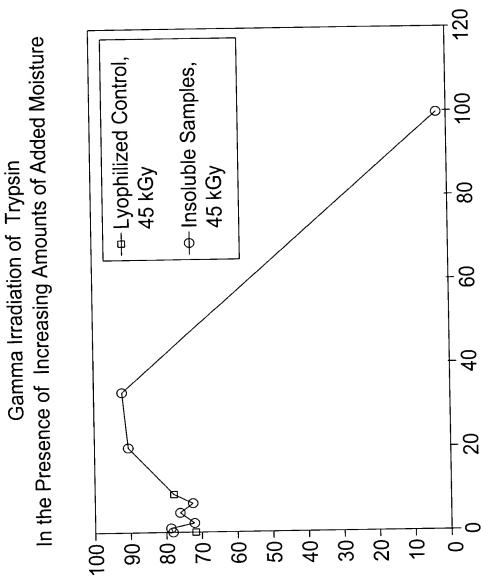
FIG. 5A

Gamma Irradiation of Lyophilized Trypsin In the Presence of 100 mM Ascorbate



(sətuniM 31\taubor9 elom λ) Velocity

Irradiation of Trypsin



Percent Protection (Activity of Irradiated Sample / Activity of Unirradiated Sample)

10/18

FIG. 6

Percent Water (In PPG 400)

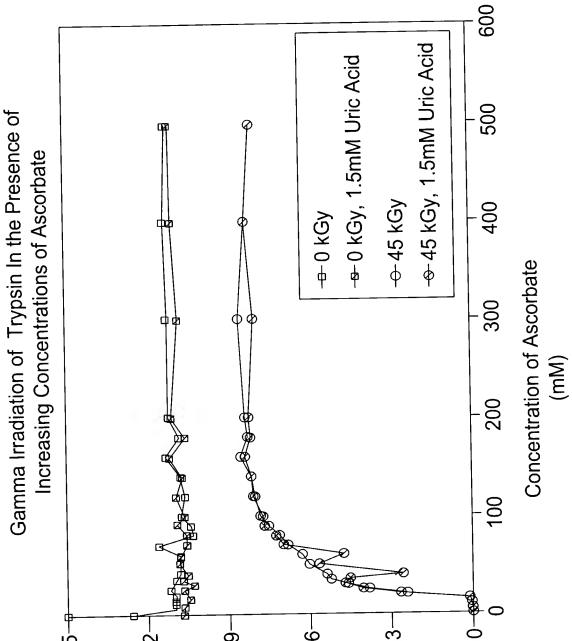
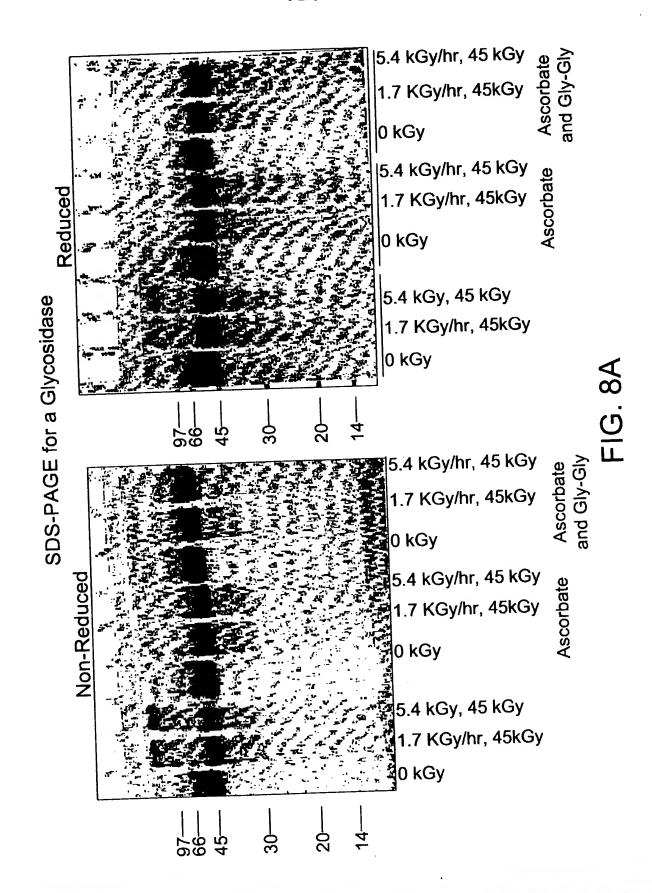


FIG. 7



SDS-PAGE for a Sulfatse

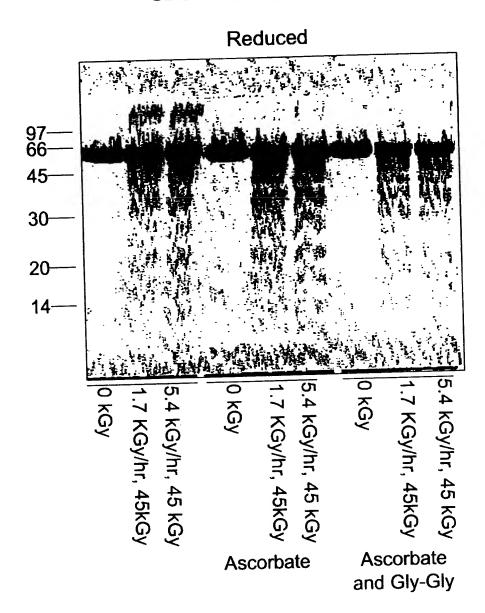
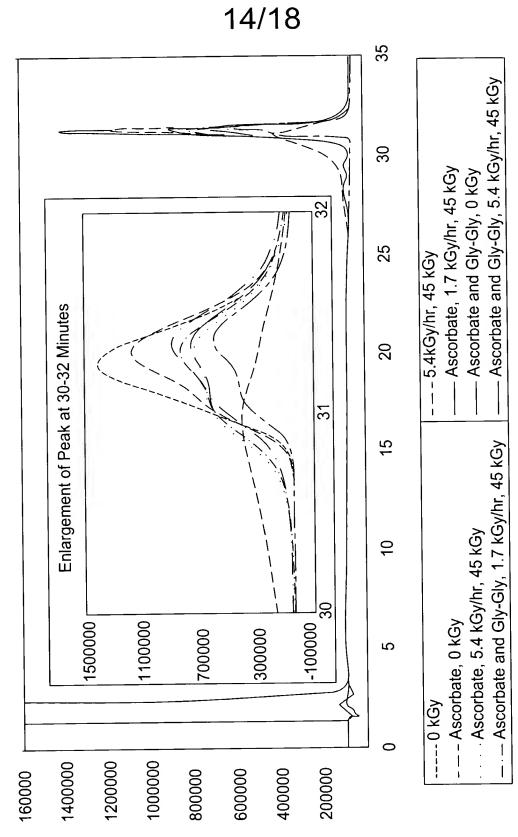


FIG. 8B

Gamma Irradiation of a Glycosidase In the Presence or Absence of Ascorbate Alone or in Combination with Gly-Gly



SIIOAW

FIG. 9

Gamma Irradiation of a Lyophilized Glycosidase and Sulfatase In the Absence and Presence of 100mM Ascorbate

Sulfatase	A Company of the Comp	45 kGy 0 kGy
		45 kGy 0 kGy

45 kGy	With
0 kGy	Ascorbate
45 kGy	Without
0 kGy	Ascorbate

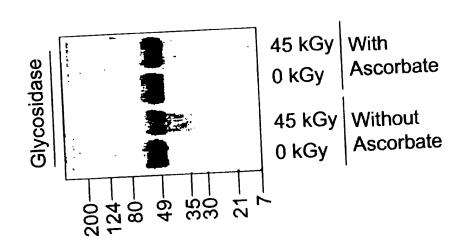


FIG. 10

Gamma Irradiation of a Lyophilized Glycosidase In the Absence of Stabilizers

Reduced & Non-Reduced, 10%

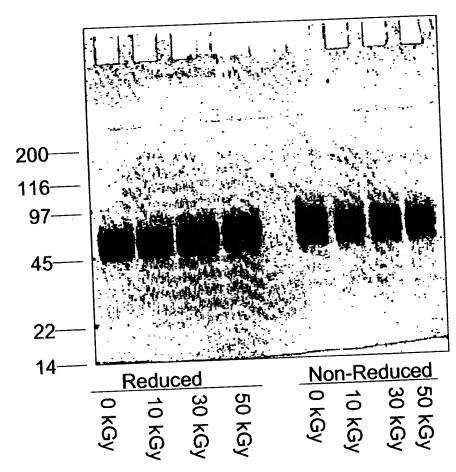


FIG. 11A

Gamma Irradiation of a Lyophilized Glycosidase In the Presence of 200 mM Ascorbate

Reduced & Non-Reduced, 10%

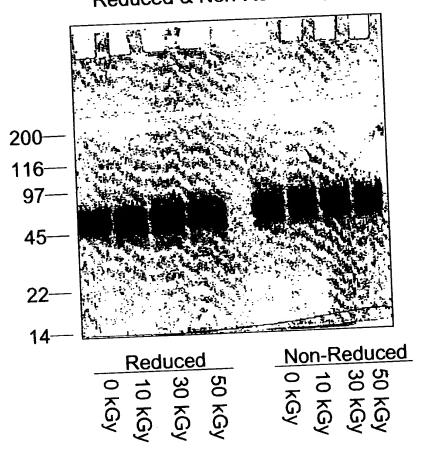


FIG. 11B

Gamma Irradiation of a Lyophilized Glycosidase In the Presence of 200 mM Ascorbate and 200 mM Gly Gly

Reduced & Non-Reduced, 10%

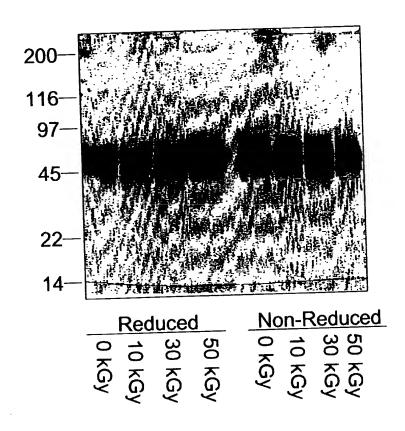


FIG. 11C